

Converting Colors

CIELCh(77, 44.918, 191.422)

Have a look what the booklet for
CIELCh(77, 44.918, 191.422)
contains.

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Color

CIELCh(77, 44.765, 191.400)

Conversions

Conversions Part 1

Format	Color
Hex	00D4CD
RGB	0, 212, 205
RGB Percent	0%, 83%, 80%
CMY	0.9984, 0.1684, 0.1958
CMYK	1.00, 0.00, 0.03, 0.17
HSL	178°, 100%, 42%
HSV	178°, 100%, 83%
XYZ	34.5908, 51.5317, 65.9200
YIQ	147.8140, -124.1050, -47.1210

Conversions

Conversions Part 2

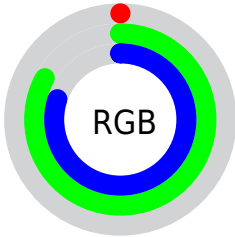
Format	Color
RYB	0, 108, 212
Decimal	54477
CIELab	77.00, -43.88, -8.85
CIELCh	77, 44.765, 191.400
Yxy	51.5317, 0.2275, 0.3389
Android (android.graphics.Color)	4278244557 (0xFF00D4CD)
YUV	147.8140, 28.1927, -129.6329
Hunter-Lab	71.7856, -39.6123, -4.1954

Details

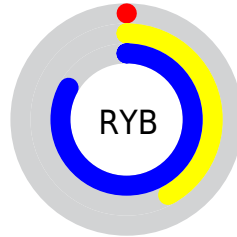
The CIELCh color **77, 44.765, 191.400** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 89.511, 38.827**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **58, 35.595, 191.646** is the 20% darker color. If you saturate the color by 10%, you get **77, 44.778, 191.390**, and if you desaturate by 10%, it is **77, 43.953, 191.865**.

Distribution



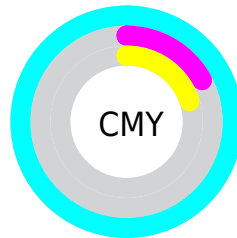
- Red (0%)
- Green (83%)
- Blue (80%)



- Red (0%)
- Yellow (42%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.765, 191.400 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 77, 44.765, 191.400 by changing the saturation by 10% instead.

 77, 44.765,
191.400

 77, 44.765,
191.400

 100, 44.765,
191.400

 67, 44.765,
191.400

 97, 44.765,
191.400

 57, 44.765,
191.400

 47, 44.765,
191.400

 37, 44.765,
191.400

 27, 44.765,
191.400

 17, 44.765,
191.400

 7, 44.765, 191.400

■ 0, 44.765, 191.400

■ 77, 44.765,
191.400

■ 77, 44.765,
191.400

■ 77, 44.778,
191.390

■ 77, 43.953,
191.865

■ 77, 42.418,
192.326

■ 78, 39.973,
192.792

■ 78, 36.575,
193.272

■ 79, 32.244,
193.775

■ 80, 27.049,
194.306

■ 81, 21.089,
194.869

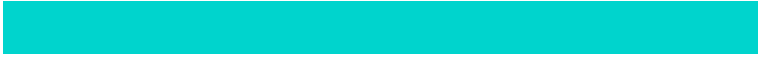
■ 82, 14.486,
195.465

■ 83, 7.365, 196.112

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77, 44.765, 191.400



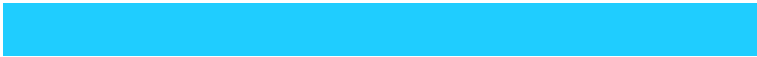
44, 89.511, 38.827

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 44.765, 191.400



77, 44.765, 241.400



77, 44.765, 11.400



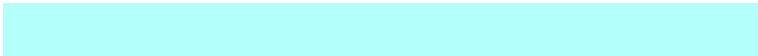
77, 44.765, 61.400

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77, 44.765, 191.399



95, 24.608, 194.839



74, 104.014, 135.907



50, 16.514, 194.596



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 44.765, 191.399



91, 51.477, 191.338



48, 59.143, 280.977



44, 4.303, 196.139



63, 38.103, 191.461



15, 14.866, 192.341

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44, 89.511, 38.827



53, 103.299, 39.100



55, 75.340, 57.598



42, 4.550, 17.250



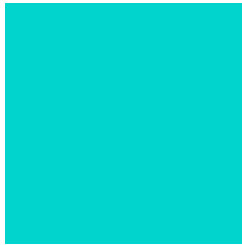
35, 75.952, 38.540



5, 21.976, 18.292

Previews

White Background



This preview shows how the CIELCh color 77, 44.765, 191.400 looks on a white background.

Color Contrast Check

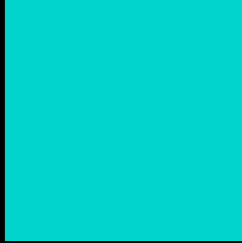
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 44.765, 191.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

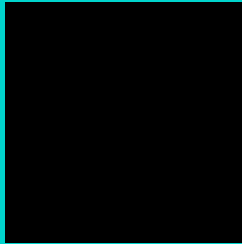
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

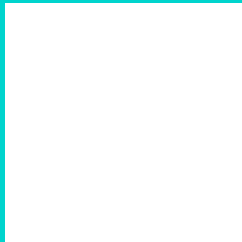
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 44.765, 191.400

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.765, 191.400.

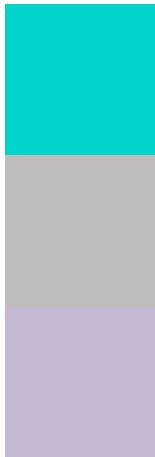


This preview shows how white text looks on a background with the CIELCh color 77, 44.765, 191.400.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

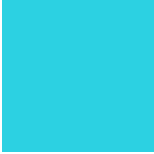
77, 44.765, 191.400

Protanopia

77, 1.559, 335.558

Deuteranopia

77, 15.216, 307.717

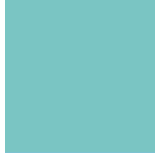


Tritanopia
77, 39.585, 210.312

Trichromacy



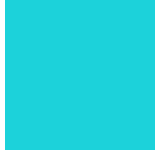
Original Color
77, 44.765, 191.400



Protanomaly
75, 24.520, 195.025

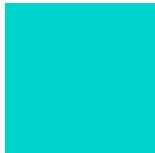


Deuteranomaly
75, 22.949, 218.784

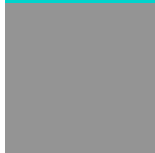


Tritanomaly
77, 41.340, 202.625

Monochromacy



Original Color
77, 44.765, 191.400



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 25.081, 194.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.765, 191.400 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 212, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 212, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.765, 191.400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 212, 205) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 212, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 212, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.765, 191.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 212,  
205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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